


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 6/27/07

ROUTE FAS 2703 DESCRIPTION Illinois Central Railroad LOGGED BY E. Sandschafer


SECTION (9-VBR)BR LOCATION Sec 19 - SE 1/4, Sec 30 - NE 1/4, SEC. TWP. 4 N, RNG. 5 E, 3 PM

COUNTY Clay DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station	Offset Ground Surface Elev.	D (ft)	B (#)	U (tsf)	M (%)	Description			D (ft)	B (#)	U (tsf)	M (%)									
							Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:													
							First Encounter															
							Upon Completion															
							After 312 * Hrs.															
16" asphalt pavement.													0	0.3	23							
16" crushed stone.													2	B								
569.16													0									
567.66													1	1.2	23	Soft, very damp, gray, SILTY LOAM. (continued)						
Medium, damp, gray to brown, SILTY CLAY.													4	B								
547.66													2									
545.86													2			Stiff, damp, gray, CLAY w/ Silt.						
543.46													3	0.6	18							
Medium, damp, red, SILTY CLAY.													3	B								
543.46													2									
Stiff to very stiff, damp, red mottled tan, CLAY TILL.													5	1.9	21							
543.46													6	B								
543.46													8	3.2	15							
543.46													14	B								
543.46													7									
543.46													12	2.6	13	Soft to medium, damp, red marbled gray, CLAY w/ trace Silt.						
543.46													19	S								
543.46													15									
543.46													15									
543.46													15									

Lithologic W.B. (log 41.037 min., Longitude N 38 deg 46.500 min., Map Datum WGS 84)
Lithologic W.B. (log 41.037 min., Longitude N 38 deg 46.500 min., Map Datum WGS 84)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



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							Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:													
							First Encounter															
							Upon Completion															
							After 312 * Hrs.															
Very dense, moist, gray, SILTY CLAY SHALE. (continued)													30									
520.06													41									
520.06													31									
520.06													50/3*									
520.06													50/2*									
520.06													34									
520.06													50/4*									
520.06													50/2*									

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DESIGNED	B.B.
CHECKED	C.J.F.
DRAWN	J.G.
CHECKED	C.J.F. & B.B.

SOIL BORINGS-1
KINMUNDY/LOUISVILLE ROAD
OVER ILLINOIS CENTRAL RR
STA. 475+50.44

 **BERNARDIN LOCHMUELLER & ASSOCIATES, INC.**
3 Oak Drive
Maryville, IL 62062-5635
Local (618) 288-4665
Fax 618-288-4666

SHEET NO. 20	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2703	(9-VBR)BR	CLAY	65	42
	22 SHEETS		SN 013-0044	CONTRACT NO. 74136	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

2/2/07 PM 10/31/2008 10:30:44 74636.dgn